



ARIZONA DEPARTMENT OF EDUCATION

Each reading program will be scored using a rubric. A response must meet **all** the criteria in each scored area to be included on the K-3 MOWR vetted reading program list. Peer Review will be noted but does not disqualify overall approval.

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| Study: Efficacy Research on the Logic of English Program in Michigan Elementary Schools Date of Study: 2019 Grade Levels of Study: K and 1 Core Program's Marketed Name: Logic of English Foundations (K-1) | | |
| | Rating or Measure Select: Y or N | Rationale: |
| ESSA Evidence Tier | Y | Tier 3, correlational analysis. |
| Independent Researchers (Y/N) | Y | LOE contracted the Center for Research and Reform in Education at John Hopkins University |
| Established Measure (Y/N) | Y | Used NWEA MAP and RIT scores from 2017-18, 2018-19 and fall 2019 |
| Sample Size | Y | Treatment 1,567 Comparison schools 716 Attrition rate ? Michigan Elementary schools – 6 schools were treatment groups and 2 were control groups |
| Research Design | Y | Mixed method – survey given to teachers (qualitative). Data analysis (quantitative). Analyzed data from treatment and control groups. |

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| Outcome | | <p>Within-year analysis findings: the 2018-19 kinder group had a p-value of less than .001.</p> <p>Within-year analysis findings: the 2017-18 kinder group had no statistically significant outcomes.</p> <p>Within year analysis findings: the 2017-18 first grade group had a p value of less than .001.</p> <p>Longitudinal analysis for Kindergarten- Fall 2018 to fall 2019 data had a p value of .008.</p> |
| Effect Size | | <p>Effect size- Patterns of associations were more positive examining within year (fall to spring) achievement gains than when examining between year gains. Specifically, a positive association between Logic of English enrollment (treatment) and gains from fall to spring on MAP reading scores was found for first grade students in the 2017-18 school year and kindergarten students in the 2018-19 school year.</p> |
| *Peer Review (Y/N) | Y | CRRE at John Hopkins University |

MOWR Committee completed review on 2/14/24.

MOWR Committee findings:

- Meets ESSA evidence Tier 3.
- Will stay on the MOWR Core Program Vetted List.